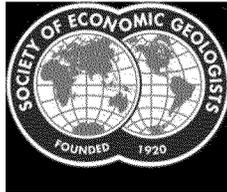


FIRST ANNOUNCEMENT



SEG at GSA

Environmental Geochemistry for Modern Mining

Short Course and Special Session

The Society of Economic Geologists, in conjunction with the annual Geological Society of America Meeting being held in Denver, Colorado will be offering a two-day pre-meeting short course (October 29 & 30, 2010) and a half-day topical session (tentatively November 1, 2010) on Environmental Geochemistry for Modern Mining.

Short Course – Friday October 29 & Saturday October 30, 2010

Organizers: Bob Seal (rseal@usgs.gov) and Kirk Nordstrom, both USGS

This short course will examine and summarize current techniques in environmental geochemistry as it relates to modern mining. Environmental geochemistry is an important aspect of all stages of modern mining from exploration through permitting, production, and closure. An evolving regulatory environment and innovations in mining and ore-processing techniques necessitates an up-to-date, forward-looking approach to environmental geochemical issues related to mining.

See the attached outline for topics and speakers.

Registration: Registration includes lunch, breaks, and short-course notes.

Registration information for can be found at:

<http://www.segweb.org/activities/> or call SEG at: 720-981-7882

Note: You do *not* need to register for the meeting in order to attend the short course.

Cost: Before September 30, 2010: Member Professionals, \$395; Non-Member Professionals, \$495; Member Students, \$195; Non-Member Students \$245.

Environmental Geochemistry for Modern Mining Short Course

Topics & Speakers

Perspectives on Modern Mining Practices

Dirk Van Zyl (UBC)

Risk and Regulation in the Mining Industry

Carol Russell (USEPA)

Mining and Sustainability

Rod Eggert (CSM)

Hydrogeochemistry and Microbiology of Mine Drainage

Kirk Nordstrom (USGS) & David Blowes (U. Waterloo)

Using the Biotic Ligand Model to Predict Metal Toxicity in Mineralized Systems

Kathy Smith & Laurie Balistrieri (USGS)

Diurnal Cycling of Trace Elements in Mining-Affected Streams

David Nimick (USGS) & Chris Gammons (Montana Tech)

Characterizing Toxicity of Metal-Contaminated Sediments to Benthic Invertebrates

John Besser (USGS)

Geochemistry of Soils in Mine-Influenced Settings

Graeme Spiers (Laurentian U.)

Mineral Deposits and Environmental Human Health

Geoff Plumlee & Suzette Morman (USGS)

Mineralogical Controls on Metal Release from Mine Waste

Heather Jamieson (Queen's U)

Baseline Pre-mining Characterization – The Clean Slate (New Discoveries)

Bob Seal (USGS)

Baseline and Pre-mining Characterization – The Dirty Slate (Active Mines Predating NEPA)

Kirk Nordstrom (USGS)

Geochemical Characteristics of Mine Wastes: Implications for Environmental Prediction and Resource Recovery

Bob Seal (USGS)

Evaluation of Techniques Used to Estimate Element Mobility, Acid-Generating and Acid-Neutralizing Potentials Associated with Geologically Diverse Mine Wastes

Phil Hageman, Bob Seal & Sharon Diehl (USGS)

Kinetic Tests

Kim Lapakko (MN DNR), David Blowes (U. Waterloo)

Geochemical Modeling

Kirk Nordstrom (USGS) & David Blowes (U. Waterloo)

Hydrogeology and Geochemistry of Waste Rock

David Blowes (U. Waterloo)

Chemical Evolution of Mine Tailings

David Blowes (U. Waterloo)

Characteristics and Environmental Aspects of Slag

Mike Parsons (GSC), Bob Seal & Nadine Piatak (USGS)

Modeling and Management of Pit Lake Water Chemistry

Devin Castendyk (SUNY Oneonta), Ted Eary (InTerraLogic), Laurie Balistrieri (USGS), Chris Gammons (MT Tech)

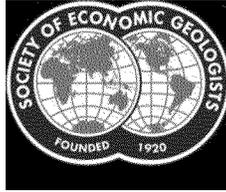
Cyanide Behavior in Leach Wastes at Gold Mines

Craig Johnson (USGS)

Environmental Impacts of Uranium Mining, Milling, and Mill Tailings

Kate Campbell & Tanya Gallegos (USGS)

FIRST ANNOUNCEMENT



SEG at GSA

GSA Topical Session T37: Environmental Geochemistry for Modern Mining

Organizers: Bob Seal – USGS (rseal@usgs.gov) and LeeAnn Munk – UAA

This session encourages contributions on baseline characterization, geochemical characteristics of mine wastes, ecological and human health effects associated with mine waste and drainage, pit lake geochemistry, and case studies.

Tentative Date: Monday, November 1, 2010

Invited Speakers: Heather Jamieson – Queen’s University
Chris Gammons – Montana Tech

Abstract Deadline: August 10, 2010

For abstract submission and meeting registration information, go to:

<http://www.geosociety.org/meetings/2010/>